



ENVIRONMENTAL CONSULTANTS

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**Crawford Station MGP Site
Chicago, Illinois**

Weekly Field Progress Report

Report Date: April 12, 2012

Prepared By: Natural Resource Technology, Inc. (NRT)
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Submitted To: Integrys Business Support, LLC (IBS)
Naren M. Prasad, PE

Activity Period: April 1, 2012 through April 7, 2012

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

Task	Environmental Activities
General Description of Work Performed:	<p>The following activities were conducted:</p> <ul style="list-style-type: none">• Areas G, B, E, and A were excavated to design depth within the sheet pile area, with additional excavation (6 feet below design depth) in the south extent of G due to a soil sample that exceeded the post excavation screening criteria.• Areas I and L were excavated to 6 feet below ground surface in preparation of Thatcher's sheetpile work in this area early next week.• Excavation in Area R continued 50 ft. south into the potential removal area due to field observations of impacted material. It was decided by NRT and Burns & McDonnell to continue this excavation south to Areas TA and T due to the observed soil conditions.• Technica began backfilling Areas E, B and A between the sheetpile on Friday (4/6).• Rusmar foam and woodchips were used in active excavation and on stockpile in order to mitigate odors as needed.• Excavated soils were loaded and transported to Waste Managements' Laraway Road RDF landfill for disposal.• Utilized GPS to locate pertinent items and features.

General Description of Work Performed: (continued)	<ul style="list-style-type: none"> NRT conducted air monitoring activities for PM₁₀ through the use of DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene through the use of SUMMAs, and real time VOC concentrations using PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site. Wastewater pumped from Areas Q and R is being treated on-site and discharged into the City of Chicago sewer located in the southwest extent of the Site. A total of 98,872 gallons was treated and pumped.
Sampling Activities Performed:	<p>NRT conducted the following sampling activities:</p> <ul style="list-style-type: none"> DustTraks collected particulate data each day and data has been downloaded for analysis. Three SUMMA canisters were deployed on April 4, 2012 and sent to TestAmerica Laboratory for analysis for BTEX and Naphthalene. On April 2, 2012, four excavation base samples (EB-017, EB-018, EB-019 and EB-020) were collected from Area G and Area E. Parameters analyzed for included TPH GRO, TPH DRO, PVOCs, site-specific PAHs, site-specific phenols, cyanide, and site-specific metals. Three excavation base samples (EB-021, EB-022, and EB-023) were collected on April 3, 2012 from Area B and Area A. A MS/MSD sample was performed on EB-021. Parameters analyzed for included TPH GRO, TPH DRO, PVOCs, site-specific PAHs, site-specific phenols, cyanide, and site-specific metals. On April 4, 2012, NRT, Burns & McDonnell and Tecnica performed 6 test pits under NRT oversight. Three were performed in Area D and three were performed in Area FA. Samples were taken from each test pit to analyze total benzene. Sample EB-20 from the southern extent of Area G failed, and a replacement sample (EB-24) was obtained after Tecnica excavated an additional 6 feet below design depth. The replacement sample passed the site specific requirements. On April 5, 2012, NRT, Burns & McDonnell and Tecnica performed 3 more test pits as requested by NRT. One test pit was performed in Area HA and one was performed in Area J. The third test pit was performed in Area D for a sample that didn't pass which was taken on Monday (4/2). Samples were taken from each test pit to analyze total benzene.

Task	Environmental Activities
NRT Field Personnel:	Timothy B. Norris, PG, Ronald J. Horan, Kyle J. Bareither, EIT
Equipment Deployed:	SUMMA Canisters DustTraks PIDs

Field Photos:	See attached sheets.
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Water is being pumped from the excavation and sent through the Water Treatment System and discharged into the City of Chicago sewer for discharge into the MWRD system.

Work planned for the coming week, April 8, 2012 through April 14, 2012, is as follows:

- Excavate additional material to be amended from Areas D, FA, J, and HA. Samples are to be re-tested for total benzene for waste profiling purposes.
- Observe backfill operations taking place in Areas A, B, E, and G within the sheetpiling and in the potential removal area south of Area R.
- Conduct Full Scale Air monitoring consisting of one 12-hour SUMMA can sampling event per week. The days of the 12-hour sampling will be determined to coincide with excavation activities.
- Receive and review post-excavation confirmation and air sampling from TestAmerica

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.



Timothy B. Norris, PG
Geologist

Attachment 1: Burns and McDonnell Construction Management Report

Field Photos:



Photo 1: Active excavation of Area E and Area B within the sheetpile.

Direction: Facing north-northwest.

Photo Date: 4/2/2012

Photo Taken By: RJH



Photo 2: Tecnica hauling woodchips to place on soil removed from the potential removal area south of Area R to mitigate odors.

Direction: Facing northeast.

Photo Date: 4/3/2012

Photo Taken By: KJB



Photo 3: Tecnica utilizing their on-site water truck to mitigate fugitive dust.

Direction: Facing northeast.

Photo Date: 4/4/2012

Photo Taken By: KJB

Field Photos (continued):



Photo 4: NRT sampling a test pit performed in Area FA for waste profiling.

Direction: Facing northwest.

Photo Date: 4/4/2012

Photo Taken By: KJB



Photo 5: Areas G, E, B and A excavated to design depth.

Direction: Facing north.

Photo Date: 4/5/2012

Photo Taken By: KJB



Photo 6: Backfilling Areas A, B, E and G within sheetpile area.

Direction: Facing south.

Photo Date: 4/6/2012

Photo Taken By: KJB



1431 Opus Place, Suite 400
Downers Grove, Illinois 60515

Week of: 4/01/12 to 4/07/12

**Subject: Site Remediation – Construction Management
Peoples Gas – Former Crawford Station**

Burns & McDonnell Personnel Onsite

Site Construction Manager

- Bal Berena

Site Remediation Supervisor

- Bernard Gill

Construction Manager

- Dave D'Armond

Subcontractors Onsite

- Tecnica Environmental Services
- Helm Electrical Services
- CTI

Others

- Natural Resource Technology (NRT)
- Waste Management (Dave Weber, Steve Jiskra, Vito Pesoli - MT)

Integritys Peoples Gas Personnel Onsite

- None

Miscellaneous Visitors

- None

Site Activities

BURNS & MCDONNELL

- Managed site activities with Tecnica Environmental, CTI, and Helm Electrical Services on site;
- Issued trucking tracking forms for all excavated soils from Areas L, M, N, and south of R;
- Tracked 10 loads for Biopile and 329 loads for Direct soils disposal at Laraway Landfill;
- Received 85 loads of wood chips for odor control and moisture containment;
- Received 26 loads of CA-6 and 19 loads of RR-2 for backfill in north half of site ERS, and 7 loads of CA-7 for haul road maintenance;
- Pumped and discharged 98,872 gallons of treated excavation water to MWRD;
- Participated in daily subcontractor pre-task analysis safety meetings on site;
- Conducted periodic health and safety air monitoring in excavation areas: no actions levels recorded, however recommended foaming for odor control as source material is exposed;
- Inspect excavation areas for impacted water, safety, and efficient work flow;
- Held the weekly site construction meeting with Supervisors of Subcontractors, Waste Management; and

- Monitored site conditions for traffic, dust, odor and overall safety.

TECNICA ENVIRONMENTAL SERVICES

- Loaded out soils from Areas L, M, N, FA and south of R;
- Controlled odors through foaming and wood chips use;
- Tecnica continued breaking concrete generated from Area L, M, N, FA, and D;
- Actively suppressed dust on site through watering and haul road maintenance;
- Operated and maintained truck scale;
- Assisted BMcD in water treatment system operation and maintenance;
- Monitored site fencing, silt fence, and erosion control materials;
- Assisted NRT collecting samples in test pit areas;
- Moved clean concrete generated from L,M and N to area R for backfill;
- Started backfilling north half of site ERS along the west property line;
- Performed routine maintenance on decon pad, tracking pad and haul road; and
- Pump water from areas Q, and R.

HELM ELECTRICAL SERVICES

- Performed routine weekly maintenance on power generator and fuel tank; and
- Traced and identify short circuit electrical connections in service control box.

CTI

- Continued collecting seismic data as required by City of Chicago Sewer Department.

Changes to Scope of Work

- Continued to excavate to the south of original boundaries of Area R; and
- Excavated area G southern 20 feet between sheet piles down to 16 feet below ground surface 6 feet below the design grade of 10 feet.

Open/Outstanding Items

- ComEd came to connect up the 480 power, and claimed there was a short circuit on our side of the fence, and left site. Helm Electric analyzed and tested all of their circuits and determined that the short was on ComEd's side. Called ComEd to finish installation, and informed that there will most likely be a 14-day delay. The generator and fuel tank rental/fuel will have to continue until ComEd finishes its work.

Anticipated Activities for the Week of April 8, 2012

- Expose top of Chicago Sanitary Sewer line to prepare for Area AA excavation to depth;
- Test pit 3 locations for amendment areas FA and D;
- Excavate area south of R;
- Excavate and load in areas L, M, N, D and FA; and
- Continue backfilling north half of site ERS area along west property line..



Crawford Station Site:

Remediation

Date: March 30, 2012

Description: Looking down into Area I at design depth floor in the south end of of the north half of braced sheeting.



Crawford Station Site:

Remediation

Date: March 30, 2012

Description: Tar seeping from excavation sidewall at south end of the north section of braced sheeting, looking south.



Crawford Station Site:

Remediation

Date: April 3, 2012

Description: View to the south of Area A sheeting wall shown being excavated to design depth, at the north end of the north half of braced sheeting.



Crawford Station Site:

Remediation

Date: April 4, 2012

Description: Tecnica excavating southern half of sheeting in preparation for installation of anchor wall and bracing by Thatcher. View is to south.